		Flight-Testing New	ton's Laws			
2009 Mathematics						
Academic Standards						
Nebraska Mathema	itics					
Grades 9-12	04-4-	04				
Activity/Lesson	State	Standards				
	N	MA.9-12.MA				
Session-10 (1-5)	NE	12.2.5.e	Find arc length and area of sectors of a circle			
			Compare and analyze the rate of change by			
		MA.9-12.MA	using ordered pairs, tables, graphs, and			
Session-10 (1-5)	NE	12.3.1.f	equations			
			Derive and use the formulas for the general term			
		MA.9-12.MA	and summation of finite arithmetic and			
Session-10 (1-5)	NE	12.3.3.m	geometric series			
		MA.9-12.MA	Solve an equation involving several variables for			
Session-10 (1-5)	NE	12.3.3.0	one variable in terms of the others			
			Derive and use the formulas for the general term			
Session-1 (1-17)		MA.9-12.MA	and summation of finite arithmetic and			
	NE	12.3.3.m	geometric series			
		MA.9-12.MA	Solve an equation involving several variables for			
Session-1 (1-17)	NE	12.3.3.0	one variable in terms of the others			
		MA.9-12.MA				
Session-2 (1-10)	NE	12.2.5.e	Find arc length and area of sectors of a circle			
			Compare and analyze the rate of change by			
		MA.9-12.MA	using ordered pairs, tables, graphs, and			
Session-2 (1-10)	NE	12.3.1.f	equations			
			Derive and use the formulas for the general term			
		MA.9-12.MA	and summation of finite arithmetic and			
Session-2 (1-10)	NE	12.3.3.m	geometric series			
		MA.9-12.MA	Solve an equation involving several variables for			
Session-2 (1-10)	NE	12.3.3.0	one variable in terms of the others			
		MA.9-12.MA				
Session-3 (1-6)	NE	12.2.5.e	Find arc length and area of sectors of a circle			
		MA.9-12.MA	Solve an equation involving several variables for			
Session-3 (1-6)	NE	12.3.3.0	one variable in terms of the others			
			Compare and analyze the rate of change by			
		MA.9-12.MA	using ordered pairs, tables, graphs, and			
Session-4 (1-11)	NE	12.3.1.f	equations			
			Derive and use the formulas for the general term			
		MA.9-12.MA	and summation of finite arithmetic and			
Session-4 (1-11)	NE	12.3.3.m	geometric series			
		MA.9-12.MA	Solve an equation involving several variables for			
Session-4 (1-11)	NE	12.3.3.0	one variable in terms of the others			
			Compare and analyze the rate of change by			
		MA.9-12.MA	using ordered pairs, tables, graphs, and			
Session-5 (1-6)	NE	12.3.1.f	equations			
			Derive and use the formulas for the general term			
		MA.9-12.MA	and summation of finite arithmetic and			
Session-5 (1-6)	NE	12.3.3.m	geometric series			
		MA.9-12.MA	Solve an equation involving several variables for			
Session-5 (1-6)	NE	12.3.3.0	one variable in terms of the others			
	ļ	MA.9-12.MA				
Session-6 ( 1-8)	NE	12.2.5.e	Find arc length and area of sectors of a circle			

			Derive and use the formulas for the general term
		MA.9-12.MA	and summation of finite arithmetic and
Session-6 ( 1-8)	NE	12.3.3.m	geometric series
		MA.9-12.MA	Solve an equation involving several variables for
Session-6 ( 1-8)	NE	12.3.3.0	one variable in terms of the others
			Compare and analyze the rate of change by
		MA.9-12.MA	using ordered pairs, tables, graphs, and
Session-7 (1-5)	NE	12.3.1.f	equations
			Derive and use the formulas for the general term
		MA.9-12.MA	and summation of finite arithmetic and
Session-7 (1-5)	NE	12.3.3.m	geometric series
		MA.9-12.MA	Solve an equation involving several variables for
Session-7 (1-5)	NE	12.3.3.0	one variable in terms of the others
			Derive and use the formulas for the general term
		MA.9-12.MA	and summation of finite arithmetic and
Session-8 (1-9)	NE	12.3.3.m	geometric series
		MA.9-12.MA	Solve an equation involving several variables for
Session-8 (1-9)	NE	12.3.3.0	one variable in terms of the others
			Evaluate polynomial and rational expressions
			and expressions containing radicals and
		MA.9-12.MA	absolute values at specified values of their
Session-9 (1-7)	NE	12.3.3.I	variables
			Derive and use the formulas for the general term
		MA.9-12.MA	and summation of finite arithmetic and
Session-9 (1-7)	NE	12.3.3.m	geometric series
		MA.9-12.MA	Solve an equation involving several variables for
Session-9 (1-7)	NE	12.3.3.0	one variable in terms of the others